

## Claims

- [c1] What is claimed is:
1. A method for determining triggering of a polling request in a wireless communications protocol for a transmitter, the transmitter capable of transmitting protocol data units (PDUs), each PDU comprising an n-bit sequence number, the method comprising:  
providing a polling determination method that determines if polling should be performed; and  
causing polling to be triggered only if a PDU that is to be transmitted is not a re-transmitted PDU and the polling determination method indicates that polling is to be triggered.
- [c2] This is the major point of this patent. Can it be stated as an independent claim? I am thinking that "the equation with S" may not be accepted by 3GPP but the "not a re-transmitted PDU" concept will be accepted.
2. The method of claim 1 wherein the polling determination method comprises:  
providing a polling value beyond which polling is to be triggered;  
obtaining a base sequence number VT(A), the base sequence number VT(A)  
marking a beginning sequence number of a transmitting window of the transmitter;  
obtaining a first value that is  $(2^n + 1)$  added to a difference of a parameter S and the base sequence number VT(A);  
obtaining a second value that is a modulus of the first value with  $2^n$ ; and  
obtaining a test value that is the second value divided by a size of the transmitting window;  
wherein polling is to be triggered if the test value is greater than the polling value, and the parameter S is the n-bit sequence number of the PDU that is to be transmitted.
- [c3]
3. The method of claim 2 wherein polling is to be triggered if the test value is equal to the polling value.
- [c4]
4. The method of claim 2 wherein the polling value indicates a percentage of PDUs in the transmitting window that have been transmitted by the transmitter.